

SHIP: _____ ITEM NO: 077-_____
COAR: _____ PCN: _____
SWI FILE NO: 077-01 _____ CMP: _____
REVISED: 30 AUG 2001 _____ SURVEYOR: _____

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessels; control

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

- a. Resource Conservation and Recovery Act (RCRA)
- b. Federal Hazardous Materials Transportation Act, 49 U.S.C. §5103
- c. Applicable Hazardous Waste Manifest Form
- d. 10 U.S.C. 7311

3. REQUIREMENTS:

3.1 Manage and dispose of all hazardous waste listed in 3.5 in accordance with 2.a and 2.b.

3.1.1 When a Navy generator number is required by this Work Item, submit the original of 2.c to the SUPERVISOR for assignment of Environmental Protection Agency (EPA) or delegated state environmental agency identification number.

3.1.2 Manage and transport for Navy disposal, Navy-generated hazardous waste listed in 3.5 in accordance with 2.a and 2.b, as designated by the SUPERVISOR.

3.1.3 Submit one legible copy of 2.c signed by the owner or operator of the disposal facility to the SUPERVISOR within 48 hours of receipt from owner or operator of disposal facility.

SHIP: _____

3.2 Complete documentation required by 2.a and 2.b, using EPA or delegated state environmental agency identification number in accordance with 2.d.

3.2.1 Documentation related to hazardous waste generated solely by the physical actions of Ship's Force or Navy employees (termed Navy-Generated Hazardous Waste) on board the vessel shall only bear a generator identification number issued to the Navy pursuant to applicable law. The contractor shall obtain SUPERVISOR'S concurrence with the categorization of the waste as Navy-generated before completion of the manifest. The manifest prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.2.2 Documentation related to hazardous waste generated solely by the physical actions of contractor personnel (termed Contractor-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law. Regardless of the presence of other material in or on the shipboard systems or structure which may have qualified a waste stream as hazardous, where the contractor performs work on a system or structure using materials (whether or not the use of such materials was specified by the Navy) which by themselves would cause the waste from such work to be a hazardous waste, documentation related to such waste shall only bear a generator number issued to the contractor.

3.2.3 Documentation related to hazardous waste generated by the combined physical actions of Navy and contractor personnel (termed Co-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law and shall also cite in the remarks block a generator identification number issued to the Navy pursuant to applicable law. When the contractor merely drains a system and such drainage creates hazardous waste or the contractor performs work on system or structure using materials which by themselves would not cause the waste from such work to be hazardous waste but such work nonetheless creates a hazardous waste, documentation related to such waste shall bear a generator identification number issued to the contractor and shall also cite in the remarks block a generator identification number issued to the Navy. The contractor shall sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor shall obtain SUPERVISOR'S concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.3 If the contractor, while performing work at a Government facility, cannot obtain a separate generator identification number from the state in which the availability will be performed, the contractor shall notify the SUPERVISOR within three business days of receipt of written notification by the state. After obtaining approval of the SUPERVISOR, the contractor shall use the Navy site generator identification number and insert in the remarks block the contractor generator identification number issued for the site where his main facilities are located.

SHIP: _____

3.4 If, for availabilities at a contractor-owned or controlled facility, the Navy cannot obtain a separate generator identification number for use at a contractor facility, the Navy shall notify the contractor within three business days of receipt of notification by the state. The contractor shall dispose of hazardous waste in accordance with 2.a, 2.b, and 3.2.3.

3.5 Hazardous waste, as identified in 2.a, expected to be produced during performance of this Job Order:

| <u>TYPE</u> | <u>NAVY</u> | <u>AMOUNT</u> <u>CO-GENERATED</u> | <u>CONTRACTOR</u> |
|--|-------------|--------------------------------------|-------------------|
| Acid Solutions (may include spent sulfamic, citric, chromic, nitric, sulfuric, hydrochloric, etc.) | _____ | _____ | _____ |
| Ethylene Glycol (Antifreeze) | _____ | _____ | _____ |
| Sodium Hydroxide | _____ | _____ | _____ |
| Cleaning Solvents | _____ | _____ | _____ |
| Sodium Phosphates (Tri, Bi, or Mono) | _____ | _____ | _____ |
| Fluorocarbons | _____ | _____ | _____ |
| Morpholine | _____ | _____ | _____ |
| Sodium Chromates | _____ | _____ | _____ |
| Hydrazine | _____ | _____ | _____ |
| Methyl Ethyl Ketone | _____ | _____ | _____ |
| Spent Abrasive Blast Material (contaminated with a known hazardous waste) | _____ | _____ | _____ |
| Trichloroethane | _____ | _____ | _____ |
| Miscellaneous Chemicals (Ignitable) | _____ | _____ | _____ |
| Miscellaneous Chemicals (Corrosive) | _____ | _____ | _____ |

SHIP: _____

Miscellaneous Chemicals
(TCLP Toxic)

Miscellaneous Chemicals
(Reactive)

Oil (Synthetic)

Paints (Enamel, Latex,
Epoxy, thinners, oil based,
rubber paint, non-skid,
lacquer, remover, varnishes)

Paints (May include lead,
cadmium, or chrome)

Paint Strippers (phenols,
lead, chromium)

Sludge
(Contaminated with a
known hazardous waste)

Wool Felt (contaminated
with chromium and PCB's)

(*1)

(*1)

3.5.1 Provide (*2) dollars for managing and disposing of all hazardous waste listed in 3.5. Total cost greater or less than above dollar amount will be the subject of an equitable adjustment.

3.6 Submit one legible copy of a report identifying type, amount, and disposal cost of waste listed in 3.5 that was removed during the performance of this Job Order to the SUPERVISOR.

3.6.1 The report shall include analysis or other method used to identify the waste and state whether each listed waste was hazardous (with generator assignment), non-hazardous, or did not exist.

3.6.1.1 Chemical analysis shall be accomplished by laboratories with state or EPA approved quality assurance programs.

3.6.2 The contractor shall make an effort to minimize hazardous waste generation by reducing the volume or toxicity by neutralizing, recycling, or otherwise removing it from the requirements of Subtitle C of 2.a and include a description of such efforts in the report.

SHIP: _____

3.7 Nothing contained in this Work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this contract.

4. NOTES:

4.1 The waste listed in 3.5 is based on the best information available at the time of preparation of the solicitation. Hazardous waste generated during the actual performance of the work may vary in type or amount from waste listed in 3.5 which may result in renegotiation for credit or increase pursuant to Paragraph (b) of 2.d. The contractor is expected to use best management practice to identify and dispose of all hazardous waste. Some of the substances listed in 3.5 may be neutralized, recycled, or otherwise removed from the requirements of Subtitle C of 2.a. Inclusion of these substances in the waste listed in 3.5 does not preclude the contractor from taking action consistent with 2.a to reduce or eliminate the hazardous constituents of any waste required to be disposed of under the contract in accordance with 2.b. Processes that add hazardous constituents to the bilges may require that bilge water be disposed of as a hazardous waste.

4.1.1 The types and amounts of wastes listed in 3.5 are estimates of waste to be disposed of under this contract as required by 2.d. They are not estimates of the amount of the work involved in generating that waste. The work requirements of each individual Work Item specify the actual work to be accomplished.

4.2 Hazardous wastes are determined by one or more of the following methods:

4.2.1 Chemical analysis which shows that the material characteristics of ignitability, corrosivity, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure - TCLP) exceed the limits for that material in 40 CFR 261.20 Subpart C.

4.2.2 Reference to a Material Safety Data Sheet (MSDS).

4.2.3 Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.

4.3 Asbestos, bilge water, oil/water including sludge, debris and other contaminants, sludge which includes solids and sludge from ballast tanks, CHT tanks, voids, oily waste tanks, fuel ballast tanks, fuel oil tanks, skegs (West coast), PCB's (Maryland), etc., apply only in those states listing them as hazardous waste. When an availability is to be performed in a state where these items are hazardous waste, an estimate of the amount to be generated shall be included in 3.5.

SHIP: _____

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

PLANNER'S NOTE: (1) To be used for hazardous waste not listed in 3.5.
(2) To be filled in by the planner based on the content of
3.5.